

CLAIMS

1. An event management system comprising:
 - an email consumer configured to handle email messages;
 - a paging consumer configured to generate a page message;
 - an active scripting consumer configured to execute at least one script;
 - a log file consumer configured to record information in a log file;
 - an event log consumer configured to log messages to an event log; and
 - a command line consumer configured to launch at least one process.
2. An event management system as recited in claim 1 wherein the email consumer is an SMTP consumer.
3. An event management system as recited in claim 1 wherein the event log consumer is an NT event log consumer.
4. An event management system as recited in claim 1 further comprising a forwarding consumer to forward events.
5. An event management system as recited in claim 1 wherein the email consumer sends an email message in response to receiving an event.
6. An event management system as recited in claim 1 wherein the paging consumer will page a telephone number with a message in response to receiving an event.

1 7. An event management system as recited in claim 1 wherein the active
2 scripting consumer executes a predefined script when an event is received by the
3 active scripting consumer.

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5 8. An event management system as recited in claim 1 wherein the log
6 file consumer records information to a log file when an event is received by the
7 log file consumer.

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9 9. An event management system as recited in claim 1 wherein the event
10 log consumer logs a message to an event log when an event is received by the
11 event log consumer.

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13 10. An event management system as recited in claim 1 wherein the
14 command line consumer launches a process in response to receiving an event.

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16 11. An event management system as recited in claim 1 wherein events
17 in the event management system are represented as objects.

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19 12. An event management system as recited in claim 1 wherein each
20 consumer in the event management system is represented as a class.

1 **13.** A method comprising:
2 creating an instance of an event filter which filters events based on event
3 filter properties;
4 creating an instance of an event consumer which defines an action; and
5 creating a binding between the instance of the event filter and the instance
6 of the event consumer, wherein the binding includes properties identifying the
7 instance of the event filter and the instance of the event consumer.
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9 **14.** A method as recited in claim 13 wherein the action defined by the
10 event consumer is performed in response to receiving an event that satisfies the
11 event filter properties.
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13 **15.** A method as recited in claim 13 wherein the event filter is
14 represented as a class.
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16 **16.** A method as recited in claim 13 wherein the event consumer is
17 represented as a class.
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19 **17.** A method as recited in claim 13 wherein the binding is represented
20 as a class.
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22 **18.** A method as recited in claim 13 wherein the event consumer is an
23 event forwarding consumer to forward events.
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1 **19.** A method as recited in claim 13 wherein the event consumer is a
2 scripting consumer that executes a predefined script in response to receiving an
3 event.

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5 **20.** A method as recited in claim 13 wherein the event consumer is a log
6 file consumer to record information to a file when an event is received by the log
7 file consumer.

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9 **21.** A method as recited in claim 13 wherein the event consumer is an
10 email consumer to send an email message in response to receiving an event.

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12 **22.** A method as recited in claim 13 further comprising:
13 creating a second instance of an event filter which filters events based on a
14 second set of event filter properties; and
15 creating a second binding between the second instance of the event filter
16 and the instance of the event consumer.

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18 **23.** A method as recited in claim 13 further comprising:
19 creating a second instance of an event consumer which defines a second
20 action; and
21 creating a second binding between the event filter and the second instance
22 of the event consumer.

1 **24.** One or more computer-readable memories containing a computer
2 program that is executable by a processor to perform the method recited in claim
3 13.

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5 **25.** One or more computer-readable media comprising a schema, the
6 schema comprising:

7 at least one event consumer class that represents a consumer of an event;
8 at least one event filter class that represents event filtering parameters; and
9 at least one binding class that represents the association of at least one
10 event consumer and at least one event filter.

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12 **26.** One or more computer-readable media as recited in claim 25
13 wherein the event consumer class comprises multiple classes representing
14 different actions to perform in response to particular events.

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16 **27.** One or more computer-readable media as recited in claim 25
17 wherein the binding class includes a first property identifying an associated event
18 consumer and a second property identifying an associated event filter.

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20 **28.** One or more computer-readable media as recited in claim 25
21 wherein the event filter class includes multiple properties that determine which
22 events pass through the event filter.

1 **29.** One or more computer-readable media as recited in claim 25
2 wherein the event consumer class includes an event forwarding consumer to
3 forward events.

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5 **30.** One or more computer-readable media as recited in claim 25
6 wherein the event consumer class includes an email consumer to send an email
7 message in response to a received event.

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9 **31.** One or more computer-readable media as recited in claim 25
10 wherein the event consumer class includes a log file customer to log information
11 to a file when an event is received by the log file consumer.

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13 **32.** One or more computer-readable media as recited in claim 25
14 wherein the event consumer class comprises:

15 an email consumer;
16 an active scripting consumer;
17 a log file consumer; and
18 a command line consumer.

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20 **33.** An event management system comprising:
21 an event filter object to filter events;
22 an event consumer object to perform an action in response to a received
23 event; and
24 a binding object to create an association between the event filter object and
25 the event consumer object.

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2 **34.** An event management system as recited in claim 33 wherein the
3 binding object includes properties identifying the event filter object and the event
4 consumer object.
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6 **35.** An event management system as recited in claim 33 wherein the
7 event filter object includes a plurality of event filter properties that identify events
8 that pass through the event filter.
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10 **36.** An event management system as recited in claim 33 wherein the
11 event consumer object is an event forwarding consumer to forward events.
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13 **37.** An event management system as recited in claim 33 wherein the
14 event consumer object is a log file consumer to record information to a file when
15 an event is received by the log file consumer.
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17 **38.** An event management system as recited in claim 33 wherein the
18 event consumer object is an email consumer to send an email message in response
19 to receiving an event.
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